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S-1010 Pilots Protective Assembly: The major design emphasis on the modifications of the S-901 J (SR-71) PPA to the S-101 (U-2R) PPA configuration has been to By starting with increase pilot comfort and reduce fatigue. the S-901 J PPA, the requirement for elaborate windblast, ejection, or parachute drop tests have been eliminated sance the S-901 J PPA is qualified for much greater stresses than those which would be encountered in the U-2R's flight The majority of modifications to be included in envelope. the S-101 PPA have also been qualified in other pressure suit programs such as NASA's Gemini program, etc. than routine factory qualification testing, there remains to be answered only the question of how effective the proposed PPA will be in providing maximum comfort and fatigue

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following paragraphs describe the items discussed.

			TDEA ORGI CO	
		· · · · · · · · · · · · · · · · · · ·	IDEA-0271-67 Page 2	
experience.	ela	borated on	answered by actuseveral minor	ıal
attention du	ountered on the ring the develop lready been disc	ment of the	e S-1010 PPA and	
which will b	is obtaining spe e basically the	cification same as the	ency oxygen suppl s and costs on fr e SR-71 seat kit.	com
involving im No developme	ntal testing or	ce and ser escape sys	e minor changes vicing provisions tem tests yill be ully qualified in	9
these respec		nas peen 1	uity qualified in	.1
SR-71 config	e SR-71 zero-zer	which is f	quired from the ully qualified sum speed/altitude	5 2
d. <u>AGE</u> equipment fo are anticipa		ground su from that	pport and test used on the 5-80)l J
system the SR-71 sy	proposes to use stem, there are	in the U- significan	gh the basic caca 2R is the same as t changes, modifi	5 i -
areas to be of the contr	resolved is the ol column thrust	adequate a er. The c	f the major probl nd reliable funct ontrol column mus	tioni
alternate ej		used and	the primary or whether or not the safe through-the	
canopy eject will involve may exist wi	ion capability i qualification t th reference to	s a requirests also. proper for	ement to be met a Finally, a probe- e-and-aft position rements for optim	and olem oning
			without the use	

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	Approved the Release	2002/00/ 13 - CIA-RDI 30B00/24R000200140013-1	25X
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25X1	scheduled for late and test requirement	Life Support representatives will April to finalize a list of qualificat ts as well as the final desired configuration.	be
25X1	be scheduled to fol- ments.		ould 25X equire-
			25X
		ASD/R&D/OSA	
25X1	ASD/OSA,	(5 Apr 67)	
	Distribution: 1 - ASD/OSA 2 - D/R&D/OSA 3 - D/O/OSA 4 - D/SA 5 - D/M/OSA 6 - SAS/O/OSA 7 - IDEA Div/O/OSA		

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